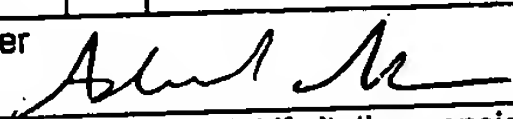
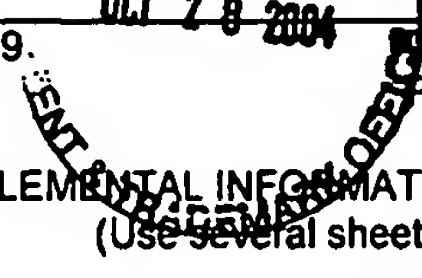


Sheet 1 of 2

Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 90177		Serial No. 10/613,828	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Elliot et al.			
				Filing Date July 3, 2003		Group No.	
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AD		4,090,203	05-16-78	Duncan	-	-	
AD		4,129,873	12-12-78	Kennedy	-	-	
AD		5,021,793	06-04-91	Stangel	-	-	
AD		5,361,074	11-01-94	Hansen	-	-	
AD		5,365,234	11-15-94	Lewis	-	-	
AD		6,124,828	09-26-00	Champeau	-	-	
AD		6,140,974	10-31-00	Dalley	-	-	
AD		20001/0006374A1	07-05-01	Erikmatz	-	-	
AD		2002/0002065A1	01-03-02	Mesecher	-	-	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
AD		EP-0 583 110 B1	10-08-97	EPO	-	-	X
AD		JP-01170095	06-30-89	Japan (Abstract Only)	-	-	X
AD		JP-11068867	09-29-00	Japan (Abstract Only)	-	-	X
AD		JP-2000224460	02-08-02	Japan (Abstract Only)	-	-	X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
AD		A NEW METHOD TO CANCEL RFI - THE ADAPTIVE FILTER by R. Bradley (NRAO), C. Barnbaum (STScI) Session 107 - Radio Astronomy and VLBI Instruments - Page 1 of Article from Website - <a href="http://www.aas.org/publications/baas/v28n4/aas_189/abs/S107004.html">http://www.aas.org/publications/baas/v28n4/aas_189/abs/S107004.html</a> **					
AD		REDUCING THE BURDEN ON NETWORK PLANNERS AND OPERATOR by Mr. Stephen J. Foti, Technical Director of Thales Antennas - Pages 1-5 of Article from Website - <a href="http://www.hitech-news.com/HITECHinterview/stephenfoti.htm">http://www.hitech-news.com/HITECHinterview/stephenfoti.htm</a> **					
AD		INTRODUCTION TO CELLULAR ANTENNAS SUPPRESSOR DUALPOL by EMS Wireless, A Division of EMS Technologies, Inc. - Pages 1-2 of Article from Website - <a href="http://www.emswireless.com/English/content/pro_cellintro06.asp">http://www.emswireless.com/English/content/pro_cellintro06.asp</a> **					
AD		CAUSES FOR CO-CHANNEL INTERFERENCE by Allogon Enterprises, Inc. - Available at Article from Website - <a href="http://www.crs.ru/project/st_allogon.pdf">http://www.crs.ru/project/st_allogon.pdf</a> , dated March 5, 1999 (4 pages)					
AD		LOCAL RF INTERFERENCE CANCELLER, Pages 1-2 of Article from Website - <a href="http://www.radiosky.com/cancelit.html">http://www.radiosky.com/cancelit.html</a> **					

Alt		ADAPTIVE SIDELobe CANCELLATION, Page 1 of Article from Website - <a href="http://www.aero.org/publications/crosslink/winter2002/05_sidebar3.html">http://www.aero.org/publications/crosslink/winter2002/05_sidebar3.html</a> **
Alt		Article from Website - <a href="http://www.geocities.com/toddermslie/phase_cancellation.htm">http://www.geocities.com/toddermslie/phase_cancellation.htm</a> **
Alt		ADAPTIVE NULLING ANTENNAS FOR MILITARY COMMUNICATIONS by Don J. Hinshilwood and Robert B. Dybdal of The Aerospace Corporation, Pages 1-6 of Article from Website - <a href="http://www.aero.org/publications/crosslink/winter 2002/05.html">http://www.aero.org/publications/crosslink/winter 2002/05.html</a> **
Alt		ANTENNA BEAM SHAPING TO IMPROVE NETWORK PERFORMANCE - Global Communications by EMS Wireless Technologies, Pages 1-5 of Article from Website - <a href="http://globalcomms.evolutionsltd.com/features.asp?ID=1067">http://globalcomms.evolutionsltd.com/features.asp?ID=1067</a> **
Alt		ANTENNA DESIGN by Wireless Review by Wayne L. Bowman and Tom Thompson, Pages 1-6 of Article from Website <a href="http://wirelessreview.com/ar/wireless_antenna_design/index.htm">http://wirelessreview.com/ar/wireless_antenna_design/index.htm</a> , July 1, 1998
Alt		** Applicants submit that they are aware of this article more than one year prior to the filing of the above-identified patent application.
Examiner		Date Considered 11/8/05
*Examiner:	Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 (Rev. 8-88)				U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 90177		Serial No. 10/613,828	
<b>FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)						Applicant Elliot et al.			
						Filing Date July 3, 2003		Group No.	
<b>U.S. PATENT DOCUMENTS</b>									
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
Alt		1,768,239	06-24-30	Englund	—	—			
Alt		3,290,684	12-06-66	Renn et al.	—	—			
Alt		5,343,211	08-30-94	Kott	—	—			
Alt		6,311,075 B1	10-30-01	Bevan et al.	—	—			
<b>FOREIGN PATENT DOCUMENTS</b>									
		Document Number	Date	Country	Class	Subclass	Translation		
							Yes	No	
Alt		WO99/21292	04-29-99	WIPO	—	—	X		
Alt		EP 1 130 675 A2	09-05-01	EPO	—	—	X		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>									
Examiner		Date Considered							
Alt		11/8/05							
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									